

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER  
09864/0202080-US0  
U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/523748

PRIORITY DATE CLAIMED  
28 August 2002

APPLICANT(S) FOR DO/EO/US	Teruo Shimizu et al.
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1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98; PTO/SB/08A; ISR with one document.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☒ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Certificate of Express Mailing Under 37 CFR 1.10; Check in the amount of \$1,240.00; Return Receipt Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known see 37 CFR 1.5) <b>10/523748</b>		INTERNATIONAL APPLICATION NO. PCT/JP2003/009862		ATTORNEY'S DOCKET NUMBER 09864/0202080-US0	
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21. The following fees are submitted:

	Applicant Use	Office Use Only
<input checked="" type="checkbox"/> a) Basic national fee .....\$300.00	\$ 300.00	
<input checked="" type="checkbox"/> b) Examination fee .....\$200.00	\$ 200.00	
<input checked="" type="checkbox"/> c) Search fee .....\$500.00	\$ 500.00	
<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>	\$ 1,000.00	

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
18 - 100 =	/50 =		x \$250.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	17 - 20 =		x	\$	
Independent claims	4 - 3 =	1	x 200.00	\$ 200.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,000.00	

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

**SUBTOTAL = \$ 1,000.00**

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

**TOTAL NATIONAL FEE = \$ 1,200.00**

Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.

**TOTAL FEES ENCLOSED = \$ 1,240.00**

Amount to be refunded:		\$
Amount to be charged:		\$

a. ☒ A check in the amount of \$ 1,240.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

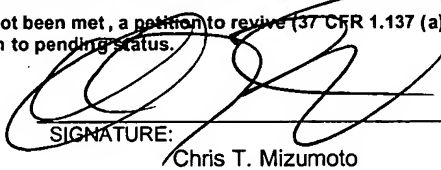
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-0100. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Joseph R. Robinson  
DARBY & DARBY P.C.  
P.O. Box 5257  
New York, New York 10150-5257  
(212) 527-7783  
CUSTOMER NUMBER: 07278

SIGNATURE:   
Chris T. Mizumoto  
NAME  
42,899  
REGISTRATION NUMBER

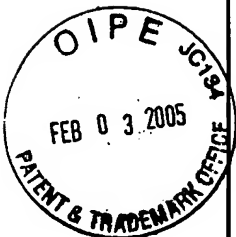
02-04-05

DTG2 REC PCT/PTO

10/523748\$  
03 FEB 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 09864/0202080-US0

**Certificate of Express Mailing Under 37 CFR 1.10**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. \_\_\_\_\_ in an envelope addressed to:

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Date

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Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (2 pg)  
Application Data Sheet (3 pp)  
Copy of WO 2004/020129 A1 (19 pp)  
Translation of International Application No. PCT/JP2003/009862 (13 pp);  
Claims (4 pp); Abstract (1 pg); Drawings (Figs. 1-7; 8(A)-8(B); 6 sheets)  
First Preliminary Amendment (9 pp)  
Executed Declaration and Power of Attorney (2 pp)  
Recordation Form Cover Sheet (1 pg) w/Assignment (1 pg)  
Information Disclosure Statement (2 pp); PTO/SB/08A (1 pg); ISR with  
one document  
Check No. 7582 in the amount of \$1,240.00  
Return Receipt Postcard